

## **Data Analysis Websites**

*These are websites that could be used by teachers of grades 5-12 to access data for developing data analysis questions. Data analysis is a skill that will be assessed through the state science assessment Inquiry Task.*

### **Hawaiian Islands Humpback Whale National Marine Sanctuary:**

The Hawaiian Islands Humpback Whale National Marine Sanctuary is one of 13 national marine sanctuaries created under the U.S. Marine Protection, Research and Sanctuaries Act. The sanctuary's goal is to promote comprehensive and coordinated management, research, education and long-term monitoring for the endangered humpback whale and its habitat.

[http://hawaiihumpbackwhale.noaa.gov/about/about\\_sanctuary.html](http://hawaiihumpbackwhale.noaa.gov/about/about_sanctuary.html)

### **Invasive Plant Atlas of New England:**

The Invasive Plant Atlas of New England's (IPANE) mission is to create a comprehensive web-accessible database of invasive and potentially invasive plants in New England that will be continually updated by a network of professionals and trained volunteers.

<http://nbii-nin.ciesin.columbia.edu/ipane/>

### **Lake Champlain Basin Program:**

Every year, more data about Lake Champlain and its watershed is posted online. The data is collected by many entities such as local, state, and federal groups, students, universities, and volunteer groups. The links posted here are organized by category. Please contact us if you would like us to link to a site.

<http://www.lcbp.org/lakedata.htm>

### **My NASA Data:**

The MY NASA DATA Live Access Server (LAS) is now available to create your own microsets for your class or your interests. The LAS contains over 141 parameters in atmospheric and earth science from five NASA scientific projects.

[http://mynasadata.larc.nasa.gov/L9\\_Murphy.html](http://mynasadata.larc.nasa.gov/L9_Murphy.html)

### **NASA—Astronomy Picture of the Day:**

Discover the cosmos! Each day a different image or photograph of our fascinating universe is featured, along with a brief explanation written by a professional astronomer.

<http://antwrp.gsfc.nasa.gov/apod/astropix.html>

### **NASA Hurricane Web Portal:**

This site consists of several components. "Current Conditions" on the Overview page and the Image Gallery shows the latest maps and profiles of pre-selected regions updated daily. Event-based data featuring pictures, animations and summaries of current and past tropical storms or hurricanes is another component. The site also features links to various tools. The "Image Gallery" contains archives of past storms and the "Hurricane Viewer" has Flash animations of storms and hurricanes. Finally, the "Science" focus includes examples and stories describing the data used in hurricane monitoring and research.

[http://www.eurekalert.org/pub\\_releases/2006-09/nsfc-nlh092706.php](http://www.eurekalert.org/pub_releases/2006-09/nsfc-nlh092706.php)

**National Oceanic and Atmospheric Administration's**

This National Weather Service site provides Vermont weather data as well as access to weather information from around the world.

<http://www.weather.gov/view/states.php?state=vt&map=on>

**NatureServe:**

NatureServe and its network of member programs are a leading source for reliable scientific information about species and ecosystems of the Western Hemisphere. This site serves as a portal for accessing several types of publicly available biodiversity data.

<http://www.natureserve.org/getData/plantData.jsp>

**US Geological Service Mission:**

The USGS serves the Nation by providing reliable scientific information to describe and understand the Earth; minimize loss of life and property from natural disasters; manage water, biological, energy, and mineral resources; and enhance and protect our quality of life.

<http://www.usgs.gov/>

**US Geological Service--Earthquakes:**

Latest Earthquakes Magnitude 2.5 or Greater in the United States and Adjacent Areas and Magnitude 4.0 or Greater in the Rest of the World - Last 7 days.

[http://earthquake.usgs.gov/eqcenter/recenteqsww/Quakes/quakes\\_all.php](http://earthquake.usgs.gov/eqcenter/recenteqsww/Quakes/quakes_all.php)

**US Geological Service—Water Resources:**

This site provides Water Resources Information and data for Students and Teachers.

<http://water.usgs.gov/education.html>

**Woods Hole Oceanographic Institution:**

WHOI is dedicated to research and higher education at the frontiers of ocean science. Its primary mission is to develop and effectively communicate a fundamental understanding of the processes and characteristics governing how the oceans function and how they interact with Earth as a whole.

[http://www.whoi.edu/home/research/data\\_center.html](http://www.whoi.edu/home/research/data_center.html)